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SAM LAUNCH COMPLEX

KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER
USSR

1. TALENT PHOTOGRAPHY OF SEP 57 AND DEC 59, REVEALED NORTH OF KAPUSTIN YAR A SURFACE-TO-AIR MISSILE COMPLEX FOR "R" AND "D" AND TROOP TRAINING. THE LAUNCH COMPLEX CONSISTED OF FOUR LAUNCH AREAS, AN INSTRUMENTED TEST RANGE AND THREE SUPPORT AREAS, (HOUSING AND SUPPORT [redacted] [redacted] AND A MISSILE CHECKOUT AND PROPELLANT STORAGE AREA). THE FOUR LAUNCH AREAS WERE AN "R" AND "D" LAUNCH AREA, A TROOP TRAINING LAUNCH AREA, A PROTOTYPE HERRINGBONE LAUNCH AREA AND A SA-3 AREA. THE AIRFIELD WAS LOCATED NORTHEAST OF THE BASE SUPPORT COMPLEX.
2. [redacted] REVEALED A NEW SA-2 SITE UNDER CONSTRUCTION NEAR THE SUPPORT AREA. A NEW PINWHEEL SITE SIMILAR TO THAT PREVIOUSLY SEEN IN THE SA-3 AREA WAS OBSERVED IN THE SAM "R" AND "D" AREA.
3. [redacted] REVEALED NEW CONSTRUCTION IN THE "R" AND "D" AREA. THE PINWHEEL SITE HAD FOUR PADS. THE MISSILE CHECKOUT AND PROPELLANT STORAGE AREA HAD AN ADDITIONAL DRIVE-THROUGH BUILDING . VEHICLES

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WERE NOTED IN THE SA-1 AREA. AT THE BASE SUPPORT AND HOUSING AREA SIX NEW BUILDINGS WERE ADDED.

4. [REDACTED] REVEALED INDICATIONS OF TROOP TRAINING THROUGHOUT THE AREA.
5. [REDACTED] REVEALED NO SIGNIFICANT CHANGES.
6. [REDACTED] REVEALED A TOWER AT THE SA-3 SITE.
7. [REDACTED] REVEALED A NEW AREA OF CONSTRUCTED JUST NORTHWEST OF THE "R" AND "D" LAUNCH AREA. IN THE "R" AND "D" AREA TWO MISSILE TRANSPORTERS WERE OBSERVED IN ONE OF THE U-SHAPED REVETMENTS. THE SA-1 AREA, HOUSING AND SUPPORT AREA, [REDACTED] THE MARSHALLING AREA, AND BASE SUPPORT COMPLEX WERE ID ONLY. THE ELECTRONICS SILO SHOWED A PARABOLIC ANTENNA ON AN ELEVATED PLATFORM.
8. [REDACTED] THE SA-1, SA-2, AND SA-3, LAUNCH AREAS AND THE CHECKOUT AND STORAGE AREAS ARE SHOWN WITH NO CHANGES.
9. [REDACTED] REVEALED NO SIGNIFICANT CHANGES IN THE LAUNCH AND SUPPORT AREAS. ACTIVITY WAS EVIDENT AT THE "R" AND "D" AREA. THE UNIDENTIFIED AREA WAS STILL UNDER CONSTRUCTION. ADDITIONAL EQUIPMENT WAS OBSERVED AT THE ELECTRONICS AREA. ON THE AIRFIELD AT LEAST TWELVE STRAIGHT-WING AIRCRAFT WERE PARKED ON HARDSTANDS.

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10. [REDACTED] IDENTIFIED ONLY THE SAM FACILITIES, ELECTRONICS SITE, AND AIRFIELD. TWO SUBSEQUENT MISSIONS REVEALED NO SIGNIFICANT CHANGES.
11. [REDACTED] REVEALED THE PROBABLE LAUNCH AREA 1.5 NM NORTHWEST OF THE SAM "R" AND "D" AREA, PREVIOUSLY REPORTED AS AN UNIDENTIFIED FACILITY. THE RECTANGULAR PATTERN IN THE SOUTHEAST QUADRANT OF THE SA-1 AREA APPEARED SIMILAR TO ACTIVITY SEEN AT SOME OF THE MOSCOW SA-1 SITES. THE SA-2 AND SA-3 LAUNCH AREAS SHOWED NO APPARENT CHANGES [REDACTED] ALTHOUGH THE TOWER IN LAUNCH SITE "B" IN THE SA-3 AREA WAS CONFIRMED TO BE OF LATTICE WORK CONSTRUCTION. THE REMAINDER OF THE FACILITIES INCLUDING THE ELECTRONICS SITE AND AIRFIELD SHOWED NO CHANGES.
12. [REDACTED] REVEALED CONSTRUCTION CONTINUING ON THE PROBABLE LAUNCH AREA. THE FOUR LARGE ELECTRONICS MOUNDS AT THE ELECTRONICS SITE NORTH OF THE AIRFIELD APPEAR TO BE OCCUPIED.
13. THIS MISSION REVEALS ACTIVITY AT ALL LAUNCH AREAS, THE PROBABLE LAUNCH AREA, AND THE NEWLY SECURED AREA. EQUIPMENT IS ALSO PRESENT IN THE ELECTRONICS SITE AND AIRCRAFT ARE PRESENT ON THE AIRFIELD. THE PROBABLE SAM LAUNCH AREA 1.5 NM NORTHWEST OF THE SAM "R" AND "D" LAUNCH AREA, IS STILL UNDER CONSTRUCTION. THE NEWLY SECURED AREA SOUTHWEST OF THE PROBABLE SAM LAUNCH AREA HAS

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A DOUBLE SECURITY FENCE UNDER CONSTRUCTION APPROXIMATELY 2,575 X 2,120 FT. A TOTAL OF 9-10 PROBABLE GUILD MISSILES CAN BE OBSERVED ON TRANSPORTERS AND LAUNCHERS AT THE SA-1 LAUNCH AREA.

THE SAM "R" AND "D" LAUNCH AREA IS ACTIVE. TWO LARGE HOLD REVETMENTS, THE PINWHEEL SITE AND SITE B ARE OCCUPIED BY MOBILE EQUIPMENT. EQUIPMENT IS OBSERVED THROUGHOUT THE SA-2 LAUNCH AREA, HOWEVER, NO SIGNIFICANT CHANGE COULD BE NOTED AT THE LAUNCH FACILITIES. A NEW LAUNCH AREA, DESIGNATED SITE "E" CAN BE IDENTIFIED BETWEEN SITES "A" AND "B".

IN THE SA-3 LAUNCH AREA EQUIPMENT IS OBSERVED THROUGHOUT. THE TOWER AT SITE "B" HAS A PROBABLE LOW BLOW GUIDANCE RADAR ON ITS LATTICE TOWER. A LARGE NUMBER OF VEHICLES/EQUIPMENT CAN BE OBSERVED ON THE LAUNCH AREA'S HARDSTANDS.

SIX NEW BUILDINGS HAVE BEEN ADDED TO THE SAM HOUSING AND SUPPORT AREA SINCE [REDACTED] AT THE OPERATIONAL SA-2 SITE, TWO LARGE REVETMENTS 90 X 90 FT AND 195 X 130 FT HAVE BEEN ADDED.

THE SAM WARHEAD AREA IS UNCHANGED ALTHOUGH 20-25 VEHICLES CAN BE SEEN WITHIN THE AREA. THE MISSILE CHECKOUT AND STORAGE AREA SHOWS NO SIGNIFICANT CHANGES, HOWEVER, THE POSSIBLE REVETMENT IDENTIFIED

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IN NPIC/R-5139/64, CAN BE CONFIRMED.

THE ELECTRONICS SITE NORTH OF THE AIRFIELD CONTAINED A TALL KING RADAR LOCATED 1,000 FT EAST OF THE 70 FT HIGH ELEVATED PLAT-FORM. THREE OF THE FOUR LARGE MOUNDS ARE OCCUPIED.

THE AIRFIELD SHOWS NO APPARENT CHANGE IN FACILITIES SINCE

HOWEVER, A FIRING BUTT IS NEWLY IDENTIFIED BECAUSE OF THE LARGE SCALE COVERAGE. AIRCRAFT PRESENT INCLUDE FOUR CRATE, FOURTEEN CAB, EIGHT COLT, NINE CREEK, AND ELEVEN HOUND.

FOUR OF THE SEVEN APRONS IN THE MARSHALLING AREA HAVE VEHICLES/PIECES OF EQUIPMENT ON THEM, ALSO NUMEROUS PIECES OF EQUIPMENT CAN BE SEEN THROUGHOUT THE AREA. NO SIGNIFICANT CHANGES CAN BE SEEN IN THE AREA.

THE BASE SUPPORT AND HOUSING AREA SHOWS NO SIGNIFICANT CHANGE. A NEW INSTRUMENTATION SITE LOCATED 1.2 NM SOUTHEAST OF THE MISSILE PROPELLANT AND STORAGE AREA HAS BEEN IDENTIFIED. THE SITE WILL BE IDENTIFIED AS INSTRUMENTATION SITE 12. IT CONSISTS OF A CENTRAL CONTROL BUILDING WITH A RAISED STRUCTURE ON A CHIMNEY, A PROBABLE R-400 TYPE MICROWAVE TOWER, TWO TOWER MOUNTED CIRCULAR ANTENNA RE-

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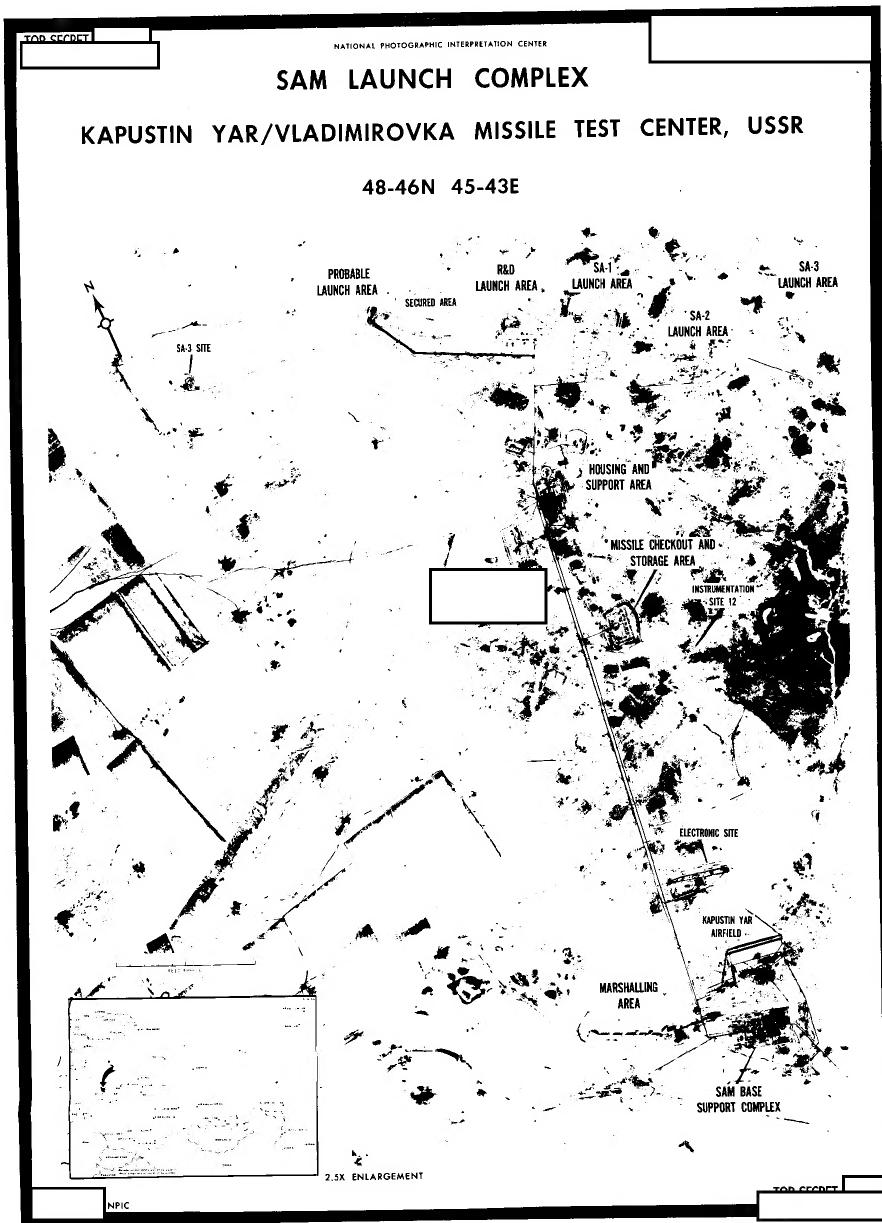
FLECTORS (ONE ON EITHER SIDE OF THE CENTRAL BUILDING). ONE PROB-
ABLE MAST MOUNTED ANTENNA, APPROXIMATELY TWENTY VEHICLES AND
ELECTRONICS VANS PARKED IN SEVEN SEPARATE GROUPS AND TEN LOW
RECTANGULAR FLAT MOUNDS, SIX OF WHICH SUPPORT VEHICLES OR SMALL
U/I EQUIPMENT. THE SITE IS FENCED AND SURROUNDED BY DOUBLE FIRE-
BREAKS. ONE OF THE TOWER MOUNTED REFLECTOR IS OUTSIDE THE FENCE.

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